



AMITY UNIVERSITY

—UTTAR PRADESH—

Domain of Engineering & Technology

Amity School of Engineering and Technology

Minor Project

WEEKLY PROGRESS REPORT (WPR)

For the week commencing on: 07-11-2022 (15th week)

Program: B.Tech. (AI)
WPR: 15

Student Name: Divvela Vishnu Sai Kumar
Enrollment Number: A076119819005

Company Name (if any)	: ASET, LUCKNOW
Faculty Guide's Name	: DR. SHEENU RIZVI
Project / Seminar Title	: FACE RECOGNITION USING TENSORFLOW

TARGETS SET FOR THE WEEK:

- Study about how to send save the model using keras.
- Study about how to apply custom keras submodelling to create our model which works same as Siamese model.

ACHIEVEMENTS FOR THE WEEK:

- Studied about how we can make custom layers using sub modelling and implemented a neural network which can be used to calculate the difference between the images and can train on the label.
- Studied about how to implement subclassing, custom model fit, custom training loop, custom callbacks, data augmentation and normalization using tensorflow.

FUTURE WORK PLANS:

- Will try practical implement of various DL usecases under the guidance of faculty guide.
- By actually performing things I will have a better understanding of things and it will enhance my knowledge which is very essential before working on the actual project.